Fiber Optic Patch Cable, Duplex FC APC, NK to FC APC, NK, SM OS2, 2.0mm Plenum, Yellow



PE3FCA503

Features

- Single Mode OS2 indoor fiber optic cable assembly
- Dual FC APC to Dual FC APC
- Indoor Plenum (OFNP) rated cable
- Suitable for wall, ceiling, conduits, and between buildings
- 2.0mm x 4.1mm duplex zip-cord
- Custom lengths available with the same fast delivery

Applications

- Telecom & Networking
- Data Centers
- Fiber Optic Test & Measurement
- Medical & Biomedical
- Military & Defense
- Industrial Automation & Sensing
- Scientific Research & High-Precision Optical Systems

Description

The PE3FCA503 fiber optic patch cord from Pasternack is a robust and versatile fiber optic cable assembly designed for high-performance data transmission in various environments. Equipped with Dual FC APC to Dual FC APC connectors, this duplex OS2 Single Mode fiber optic patch cable is optimized for indoor use, featuring a Plenum (OFNP) rated that ensures compliance with fire and safety standards. The 2.0mm x 4.1mm diameter construction, combined with its yellow color, makes it easy to identify in complex setups, while its operating temperature range of 0°C to 60°C and storage temperature of -20°C to 60°C provides reliable performance across diverse conditions.

Pasternack's PE3FCA503 fiber optic jumper is ideal for applications where reliable, long-range data connectivity is critical. The single mode design of the OS2 fiber offers stable, high-speed transmission over long distances, making it suitable for Telecom & Networking, Data Centers, and Corporate Networks. With the flexibility of custom lengths, the Pasternack PE3FCA503 fiber optic assembly can be tailored to meet specific installation requirements, ensuring efficient network management in high-density setups without compromising on delivery time or quality.

Beyond networking, the Pasternack PE3FCA503 fiber patch cord supports an array of industry applications, from Broadcasting & Media Production and Military & Defense to Healthcare & Medical Imaging. This fiber assembly offers a reliable and durable solution for any setting requiring high-quality data transmission in a controlled, indoor environment. For further information on similar fiber optic products, our expert technical support and trained sales team can get you the ideal fiber optic duplex cable assembly as per your requirements.

Configuration

Function	Patch
Cable Type	Duplex Single Mode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 um
Connection 1 Type	FC
Connection 1 Polish	APC
Connection 2 Type	FC
Connection 2 Polish	APC
Cable Color	Yellow

Mechanical Specifications

Cable Assembly	
Length	0 mm [0.00 in]
Width/Diameter	2 mm
Weight	18.6 g [0.041 lbs]

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PE3FCA503

Cable

Cable Type	Patch
Static Bend Radius	15 mm
Dynamic Bend Radius	30 mm
Max Crush Resistance, Short Term (N/100mm)	300
Max Crush Resistance, Long Term (N/100mm)	100

Connectors

Description	Connector 1	Connector 2
Type	FC	FC
Specification	Key with of 1.95mm-2.05mm	Key with of 1.95mm-2.05mm
Connector Polish	APC	APC

Environmental Specifications

Operating Range Temperature	0 to +60 deg C
Storage Range Temperature	-20 to +60 deg C
Ingress Protection (IP) Rating	Non-Rated

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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PE3FCA503

Typical Performance Data

How to Order

Part Number Configuration: **PE3FCA503 - xx uu**

- uu — Unit of Measure:
  - M = Meters
  - <blank> = Inches
- xx — Length
- PE3FCA503 — Base Number

Example: PE3FCA503-12 = 12 inches long cable
PE3FCA503-100cm = 100 cm long cable

Fiber Optic Patch Cable, Duplex FC APC, NK to FC APC, NK, SM OS2, 2.0mm Plenum, Yellow from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Fiber Optic Patch Cable, Duplex FC APC, NK to FC APC, NK, SM OS2, 2.0mm Plenum, Yellow PE3FCA503

URL: https://www.pasternack.com/fc-fc-single-mode-9-125-sm-duplex-plenum-fiber-patch-cable-fiber-optic-cable-assembly-pe3fca503-p.aspx

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PE3FCA503 CAD Drawing

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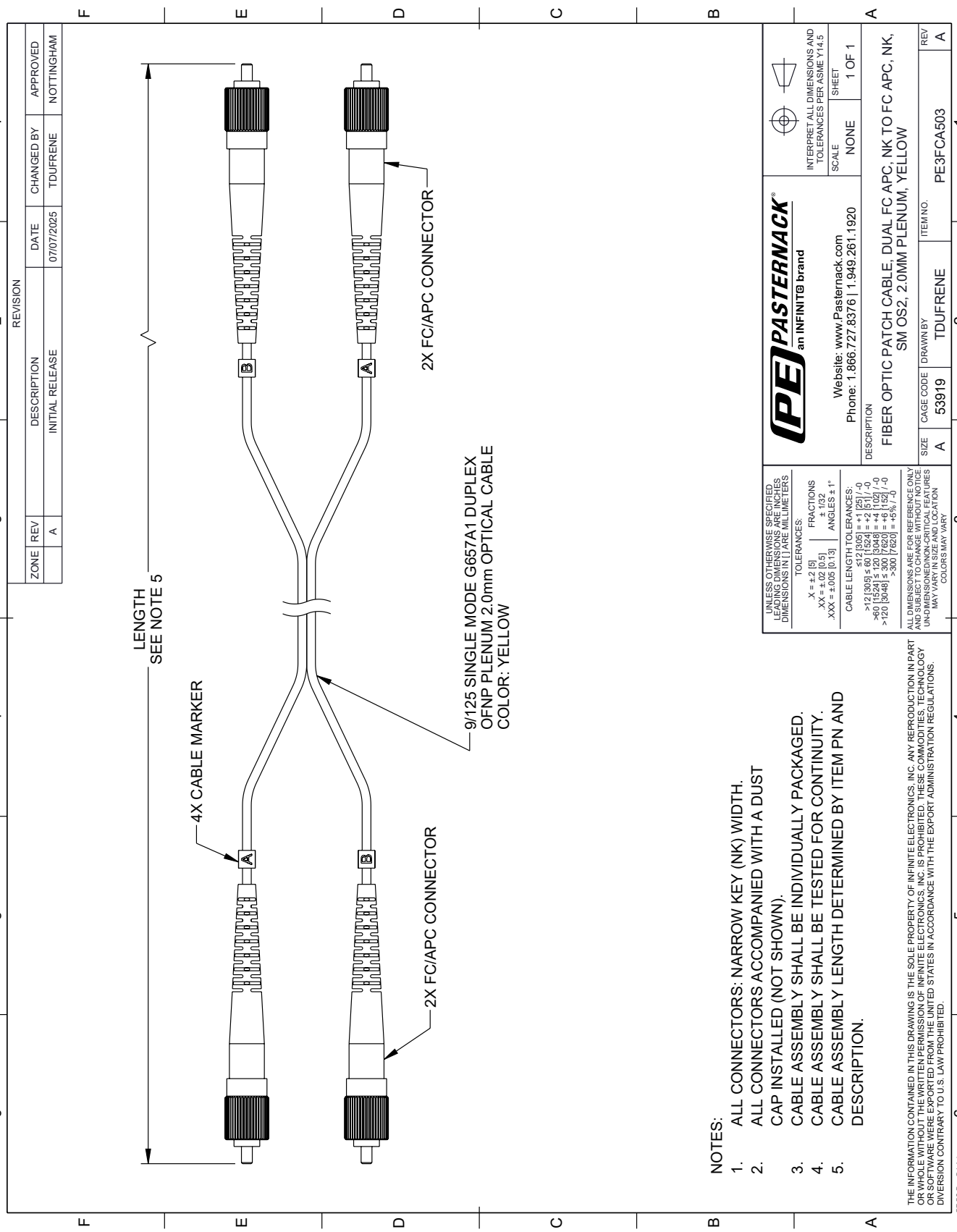

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